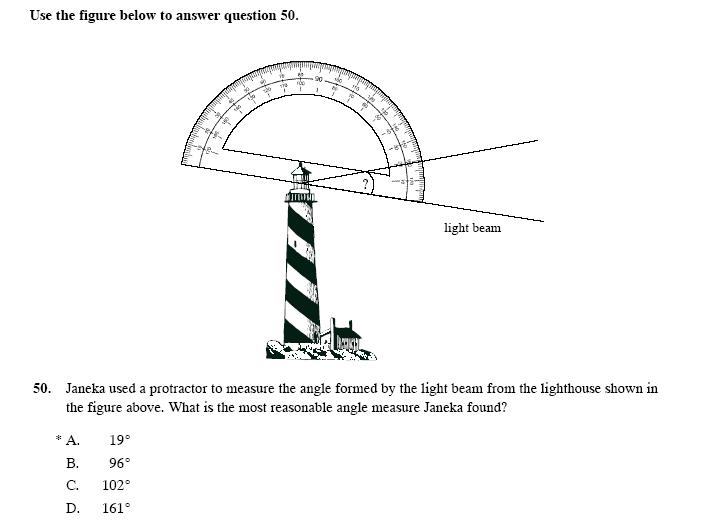
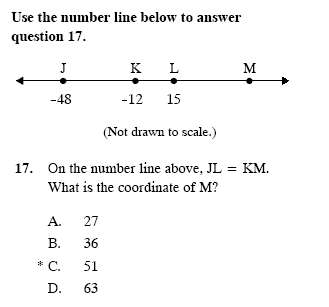
Chapter 1 Test Geometry Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Period \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Use the figure below to answer question 1**

1. Colby used a protractor to measure the angle formed by the light beam from the lighthouse shown in the figure above. What is the most reasonable angle measure Colby found?
2. 19º
3. 96º
4. 102º
5. 161º

**Use the number line below to answer question 2.**

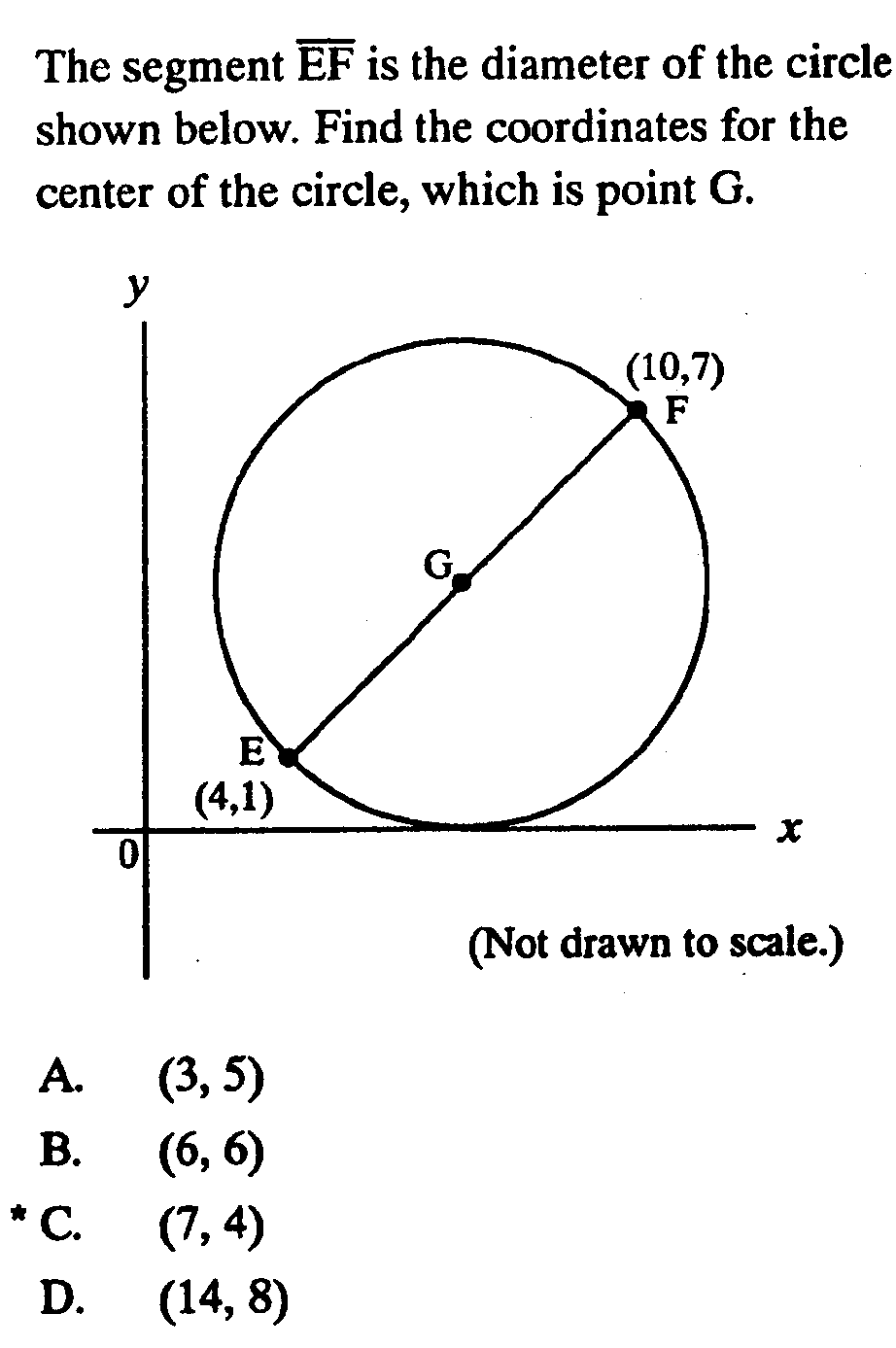
1. On the number line above, JL=KM. What is the coordinate of M?
2. 27
3. 36
4. 51
5. 63
6. What is the length of RS on the graph below?



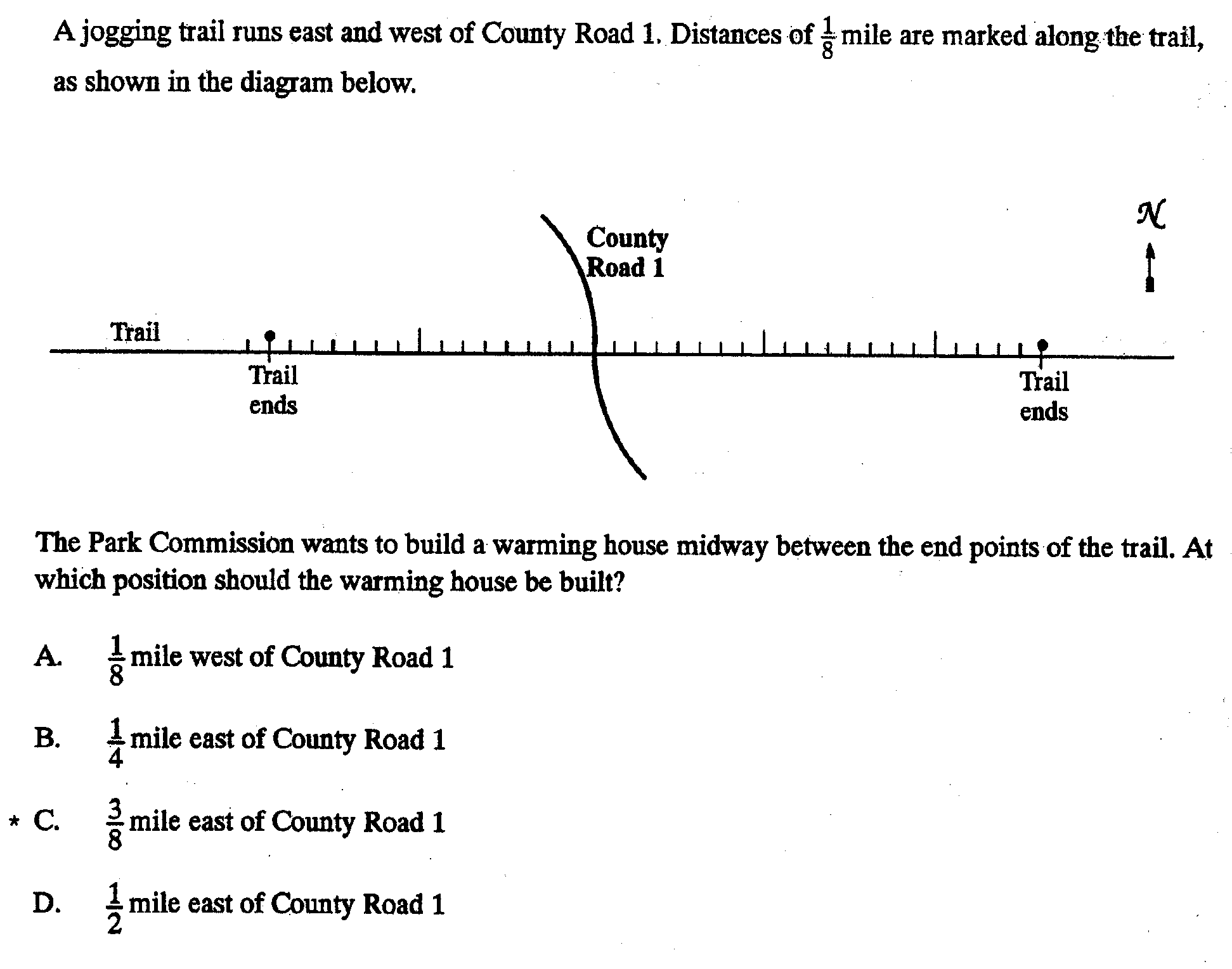
2. 5
3. 7
4. 25
5. Which set of angle measures total 360 degrees?
6. Two pairs of supplementary angles
7. Two pairs of complementary angles
8. One pair of complementary angles and one pair of supplementary angles
9. One pair of complementary angles, one pair of linear angles, and one pair of supplementary angles



1. The segment EF is the diameter of the circle shown below. Find the coordinates for the center of the circle, which is point G.



1. (3,5)
2. (6,6)
3. (7,4)
4. (14,8)
5. A jogging trail runs east and west of County Road 1. Distances of 1/8 mile are marked along the trail, as shown in the diagram below.

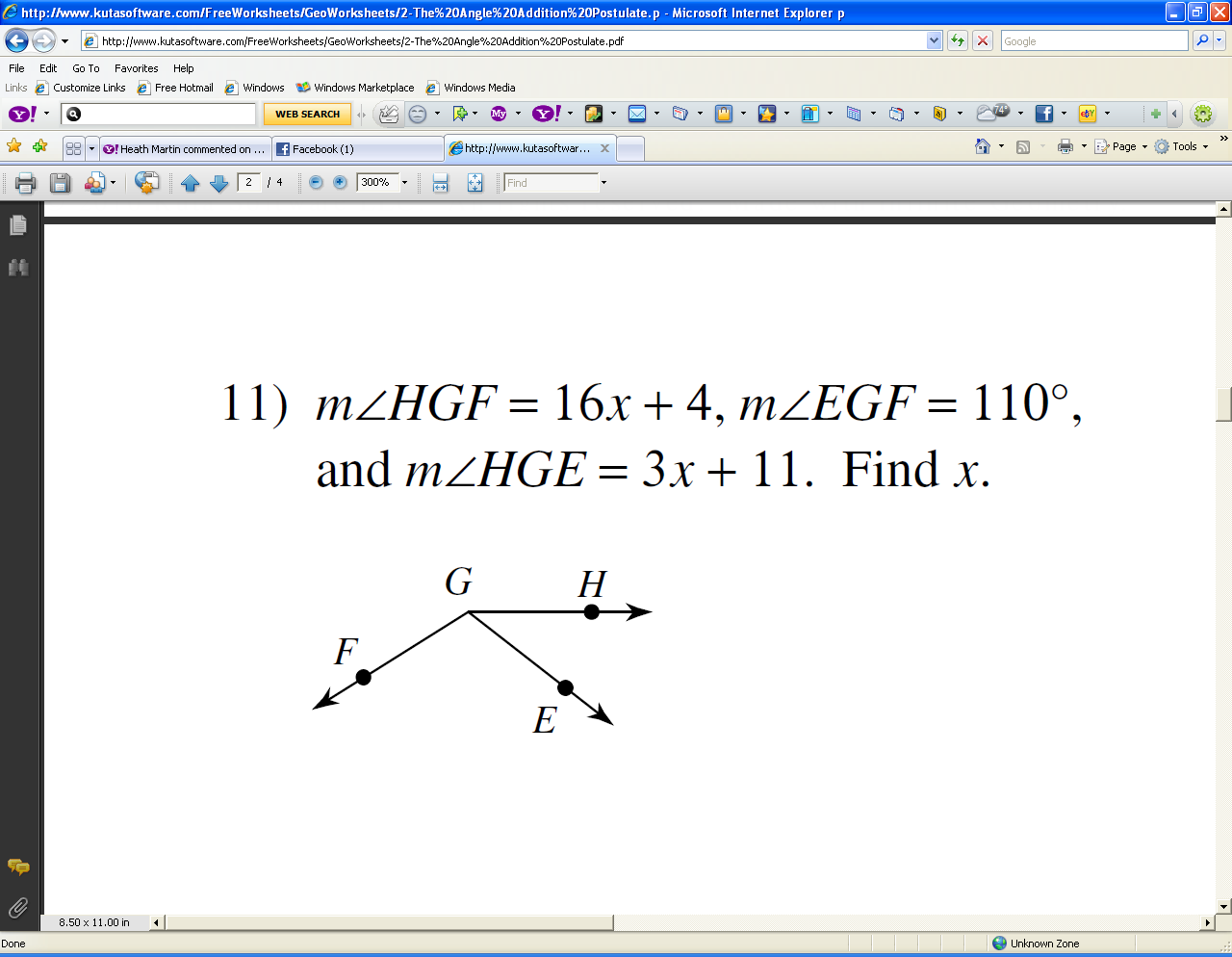


The Park Commission wants to build a warming house midway between the end points of the trail. At which position should the warming house be built?

1. mile west of County Road 1
2. ¼ mile east of County Road 1
3. mile east of County Road 1
4. ½ mile east of County Road 1
5. What is the value of x in the figure below?



1. 37.5
2. 42.5
3. 47.5
4. 62.5



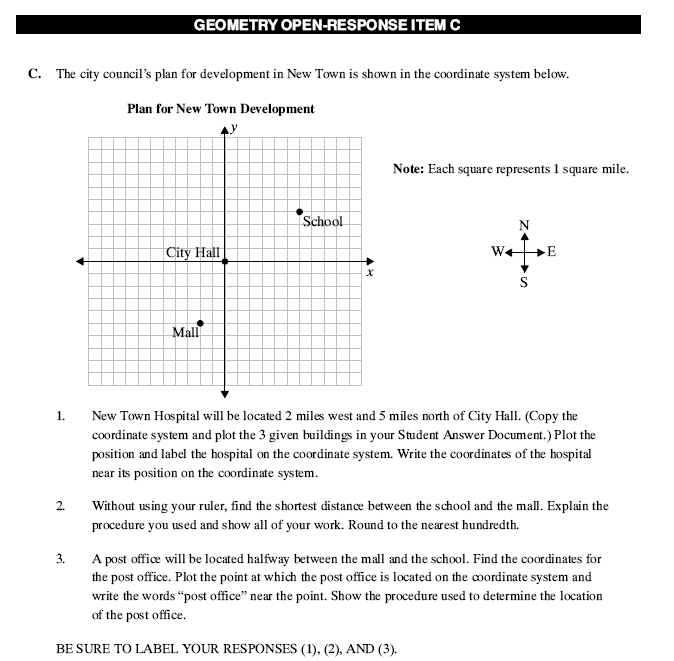
1. -7/13
2. 4
3. 5
4. 9
5. If http://java.glencoe.com/servlets/mathml4.MathGifPtTest2?mml=%3Cmath%3E%3Cmover%3E%3Cmrow%3E%3Cmi%3ER%3C%2Fmi%3E%3Cmi%3EU%3C%2Fmi%3E%20%3C%2Fmrow%3E%3Cmrow%3E%3Cmo%3E%26bar%3B%3C%2Fmo%3E%3C%2Fmrow%3E%3C%2Fmover%3E%3C%2Fmath%3Eand http://java.glencoe.com/servlets/mathml4.MathGifPtTest2?mml=%3Cmath%3E%3Cmover%3E%3Cmrow%3E%3Cmi%3ES%3C%2Fmi%3E%3Cmi%3ET%3C%2Fmi%3E%20%3C%2Fmrow%3E%3Cmrow%3E%3Cmo%3E%26bar%3B%3C%2Fmo%3E%3C%2Fmrow%3E%3C%2Fmover%3E%3C%2Fmath%3Eintersect at *V*, what is the measure of http://java.glencoe.com/servlets/mathml4.MathGifPtTest2?mml=%3Cmath%3E%3Cmrow%3E%3Cmo%3E%26ang%3B%3C%2Fmo%3E%3Cmi%3ER%3C%2Fmi%3E%3Cmi%3EV%3C%2Fmi%3E%3Cmi%3ES%3C%2Fmi%3E%3Cmo%3E%3F%3C%2Fmo%3E%3C%2Fmrow%3E%3C%2Fmath%3E

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1. 12
2. 32
3. 5
4. 28

Open Response:

The city council’s plan for development in New Town in shown in the coordinate system below.



1. New Town Hospital will be located 2 miles west and 5 miles north of City Hall. Plot the position and label the hospital on the coordinate system. Write the coordinates of the hospital near its position on the coordinate system.
2. Without using your ruler, find the shortest distance between the school and the mall. Explain the procedure you used and show all of your work. Round to the nearest hundredth.
3. A post office will be located halfway between the mall and the school. Find the coordinates of the post office. Plot the point at which the post office is located on the coordinate system and write the words “post office” near the point. Show the procedure used to determine the location of the post office.